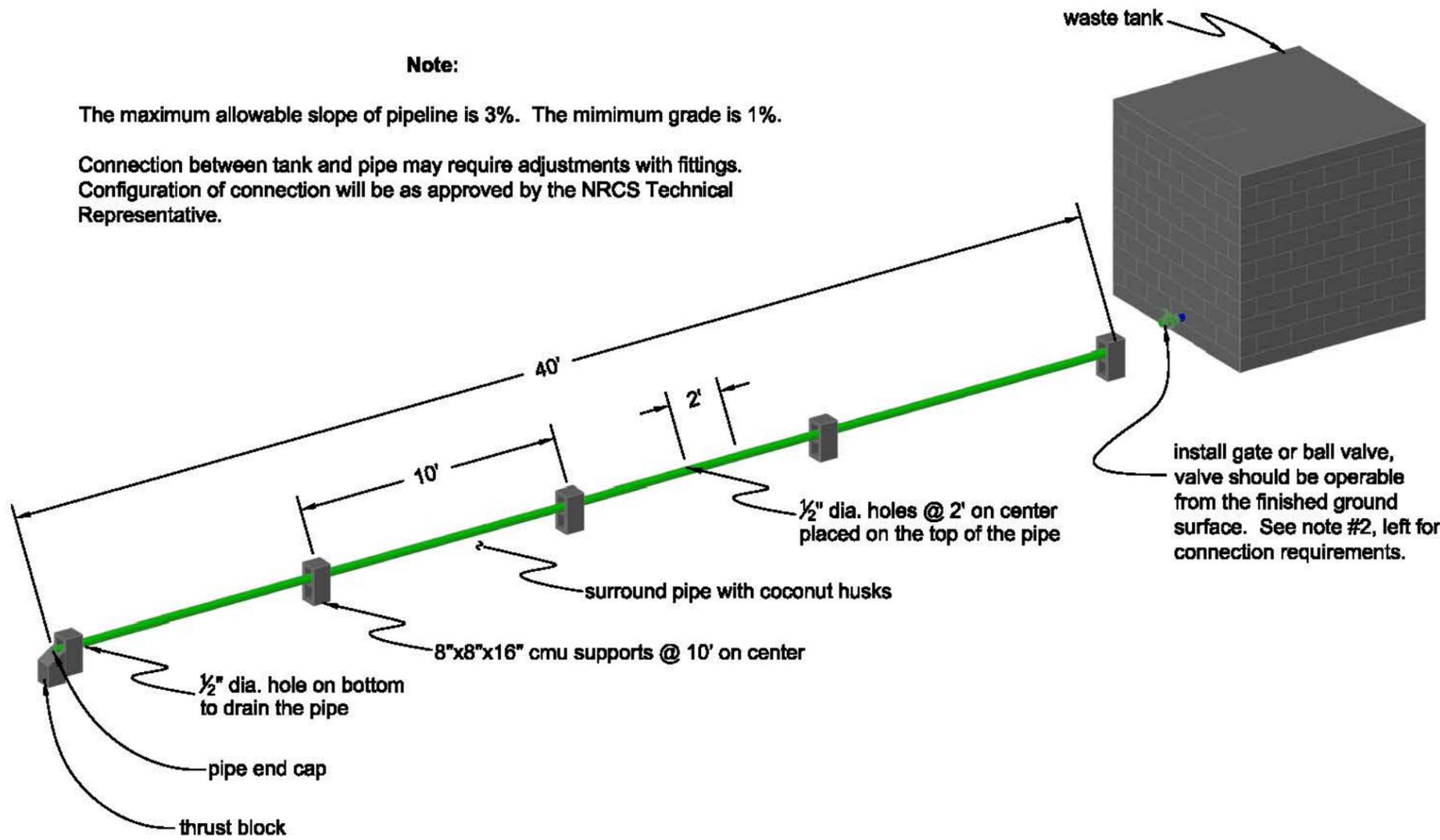


**Note:**

The maximum allowable slope of pipeline is 3%. The minimum grade is 1%.

Connection between tank and pipe may require adjustments with fittings. Configuration of connection will be as approved by the NRCS Technical Representative.



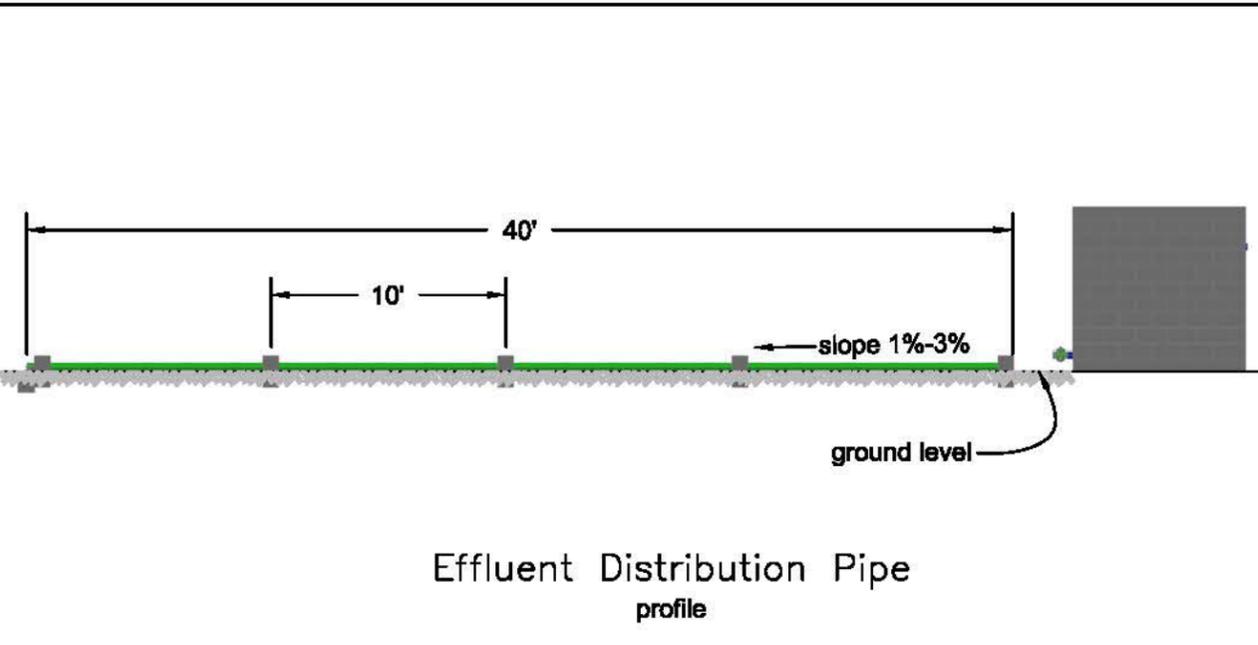
Effluent Distribution Pipe

- Construction Notes**
- Layout of the effluent pipe system shall be as shown on the profile view, or as staked in the field by the NRCS Technical Representative.
  - Effluent pipe shall be constructed of 3" dia. PVC Sch 40 pipe and fittings meeting ASTM D - 1785 or approved equivalent. Pipe shall be painted or treated for Ultra-Violet protection. 1/2" dia. holes shall be drilled @ 2 feet spacings for effluent discharge. Connection of the pipe to the tank shall be accomplished with elbows and fittings, or with the approval of the NRCS Technical Representative, a flexible section of PolyEthylene Tubing.
  - 8" X 8" X 16" concrete blocks shall be used for pipe support at 10 foot spacings. Concrete block supports shall placed such that block stands vertically with the pipe placed within the top cell and the bottom half of the block is buried with pipe laying flush on ground, see pipe details. A female adapter and end-cap shall be installed at the end of pipeline and end (last) block grouted and shaped as a wedge (half buried) to serve as a thrust block for the pipeline, see details. The end cap shall be kept open so that it may be unscrewed for pipe cleanout.
  - The most downstream hole (located on the bottom of the pipe) will have a clear opening to the slope below and will have a rock or other provisions to prevent erosion.
  - The concrete tank shown on this detail may not be the required size for this project.

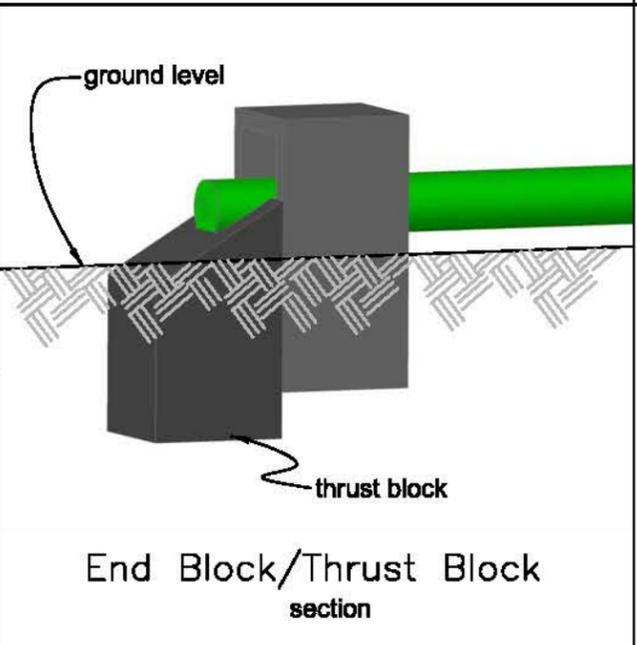
Date \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_

Landowner's Name \_\_\_\_\_  
 Effluent Distribution Pipe

Sponsored by: \_\_\_\_\_ Soil and Water Conservation District



Effluent Distribution Pipe profile



End Block/Thrust Block section

(Quantities for pipe only. Tank Quantities shown on the tank detail sheet)

Item	Units	Quantity
3" dia. schedule 40 pvc pipe	feet	40
3" dia. schedule 40 pvc couplings	each	4
8" x 8" x 16" concrete blocks	each	5
3" dia pvc end cap (threaded)	each	1
concrete, 3000 psi	cubic feet	0.6
3" dia. pvc female adapter	each	1
3" dia. schedule 40 pvc 90° elbows	each	2
3" dia. schedule 40 pvc nipple	each	1
3" dia. gate or ball valve	each	1

Quantities